

L Number	Hits	Search Text	DB	Time stamp
1	2	"20020019815"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:27
2	0	"20020019815" and (html or ml or markup or mark-up or (mark adj up))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:28
3	2	"20020042831" and (html or ml or markup or mark-up or (mark adj up))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:29
4	2	"20020042831" and (html or ml or markup or mark-up or (mark adj up) or xml or xhtml or sgml)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:49
5	85	(html and xml and xhtml and sgml)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:52
6	25	format\$4 and embed\$4 and image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:51
7	1	((html and xml and xhtml and sgml) ) and (format\$4 and embed\$4 and image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line)) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:50
8	28	image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:59
9	1	((html and xml and xhtml and sgml) ) and ( image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line) ) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:51
10	1	(html and xml and xhtml and sgml) and (line adj break) and (horizontal) and anchor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:52
11	79	(html and xml and xhtml and sgml) and format\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 09:16
12	13	image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line) ) and (html or ml or xml or sgml or xhtml)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 09:05

13	6834	bold\$3 and center\$3 and table and (selection or list)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 09:05
14	3	((html and xml and xhtml and sgml) and format\$4 ) and (bold\$3 and center\$3 and table and (selection or list) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 09:06
15	7	( image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line) ) and (html or ml or xml or sgml or xhtml) ) and (bold\$3 and center\$3 and table and (selection or list) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 09:06
16	51	(html and xml and xhtml and sgml) and format\$4 and tags	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 11:08
17	1184	style adj sheets	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 11:09
19	4	(bold\$3 and center\$3 and table and (selection or list) ) and (style adj sheets) and ( image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line) ) and (html or ml or xml or sgml or xhtml) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 11:09
18	63	(bold\$3 and center\$3 and table and (selection or list) ) and (style adj sheets)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 11:28
20	1	6598035.pn. and (library or dll)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 12:29
21	17	("5708825" "5860073" "5953526" "646833" "6584480" "6598035" "6651240" "6654754" ).pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 12:33
22	4	("6476833" ).pn. or "20020042831"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 12:48
23	236	717/100.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 12:51
24	175	717/106.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 12:51
25	128	717/107.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 12:51

26	229	717/108.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 12:51
-	2	(BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 ) AND (INLINE ADJ CLASS) AND (CONTAINER ADJ CLASS )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 13:50
-	1886	(BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 13:52
-	99	(BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 ) AND CONTAINER AND (INLINE OR IN-LINE)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 13:52
-	524	(BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 13:53
-	439	AND (MARKUP OR MARK-UP OR XML OR HTML OR XHTML OR SGML) (BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 13:53
-	31	AND (MARKUP OR MARK-UP OR XML OR HTML OR XHTML OR SGML) AND TOOL (BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 ) AND CONTAINER AND (INLINE OR IN-LINE) AND (STOR\$3 NEAR\$5 PARENT )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 13:54
-	84	(BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 ) AND CONTAINER AND (INLINE OR IN-LINE) AND TOOL	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 14:23
-	8	("4658370"   "4866635"   "4916625"   "4985857"   "5043915"   "5136523"   "5379430"   "5768480").PN.	USPAT	2003/11/26 14:10
-	139	717/104.CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 14:23
-	98	717/104.CCLS. AND CLASS	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 14:59
-	84	html and xml and xhtml and sgml	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:11
-	4635	extension same class	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:00

-	85	(inlin\$3 or in-lin\$3 or (in adj lin\$3) ) near3 class	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:01
-	10	(extension same class ) and ((inlin\$3 or in-lin\$3 or (in adj lin\$3) ) near3 class)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:07
-	2	(html and xml and xhtml and sgml ) and ((inlin\$3 or in-lin\$3 or (in adj lin\$3) ) near3 class)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:08
-	5	(html and xml and xhtml and sgml ) and (extension same class )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:08
-	22	child near5 (stor\$3 near3 ((in or within ) near5 parent))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:13
-	1	comment and format\$3 and embed\$3 and imag\$3 and anchor\$3 and (paragraph adj marker) and (line adj break) and (horizontal adj rule)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:14
-	1	imag\$3 and anchor\$3 and (paragraph adj marker) and (line adj break) and (horizontal adj rule)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:15
-	9	imag\$3 and anchor\$3 and (line adj break) and (horizontal adj rule)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:19
-	3308	(html or ml or (mark adj up) or markup) near5 elements	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:19
-	447	(html or ml or (mark adj up) or markup) near5 elements same format\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:20
-	0	(html or ml or (mark adj up) or markup) near5 elements same format\$4 same (line adj break) same (horizontal adj rule)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:20
-	4	(html or ml or (mark adj up) or markup) near5 elements same format\$4 and (horizontal adj rule)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:24
-	546	(html or ml or (mark adj up) or markup) near5 format\$4 near3 tag\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:10

-	210	(html or ml or (mark adj up) or markup) near5 format\$4 near3 tag\$4 and extension	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:26
-	33	(html or ml or (mark adj up) or markup) near5 format\$4 near3 tag\$4 and extension and container	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:48
-	26387	extension near3 extension	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:48
-	0	extension adj (to adj extension )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:48
-	0	extension adj (to near3 extension )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:49
-	2	6438575.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:52
-	2	5940834.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:07
-	118	program near3 development same ((class or classes) near5 (set or collection))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:08
-	118	(program near3 development) same ((class or classes) near5 (set or collection))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:15
-	587	(html or ml or (mark adj up) or markup) near5 (format\$4 near3 ( tag\$4 or element or token or identifier))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:11
-	1	((program near3 development) same ((class or classes) near5 (set or collection))) and ((html or ml or (mark adj up) or markup) near5 (format\$4 near3 ( tag\$4 or element or token or identifier)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:11
-	42	(program near3 development) same ((class or classes) near5 (set or collection)) and extension	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:19
-	188	(john and c and adams).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:20

-	6	(john and c and adams).in. and (class or classes) and markup	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:21
-	1250	(creat\$3 or build\$3) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near5 (document or page or code or software or application)) and (class or classes)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:36
-	102	(creat\$3 or build\$3) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near5 (document or page or code or software or application)) same (class or classes)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:10
-	107	(creat\$3 or build\$3 or produc\$4 ) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near3 (document or page or code or software or application)) same (class or classes) and (format\$4 or tag or element)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:11
-	22	(creat\$3 or build\$3 or produc\$4 ) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near3 (document or page or code or software or application)) same (class or classes) and (format\$4 or tag or element) and (class near5 (derived or subclassed ))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:12
-	28	(creat\$3 or build\$3 or produc\$4 ) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near3 (document or page or code or software or application)) same (class or classes) and (format\$4 or tag or element) and (class near5 (derived or subclassed or child ))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:12
-	52	(software adj development adj tool) and (creat\$3 or build\$3) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near5 (document or page or code or software or application)) and (class or classes)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:37
-	119	(software adj development adj tool) and ((xml or html or sgml or xhtml or ml or markup or mark-up) near5 (document or page or code or software or application)) and (class or classes)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:37
-	49	((software adj development adj tool) and (creat\$3 or build\$3) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near5 (document or page or code or software or application)) and (class or classes) ) not ((creat\$3 or build\$3 or produc\$4 ) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near3 (document or page or code or software or application)) same (class or classes) and (format\$4 or tag or element) and (class near5 (derived or subclassed or child )) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:27

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**1** Multimedia presentation database system 80%



Binjia Jiao

**Proceedings of the eighth ACM international conference on Multimedia** October 2000

Multimedia presentations are increasingly being used in most spheres of life. Viewing these multimedia presentation as databases help in querying as well as re-using parts of existing presentations to create new ones. This dissertation proposes on object-oriented model for mangaging multimedia presentations as (temporal) databases based on the web. And the dissertation also discusses the representation of the proposed object-oriented model in Extensible Markup Language (XML). This represent ...

**2** An object-oriented SGML/HyTime compliant multimedia database 80%  
management system



M. Tamer Özsu , Paul Iglinski , Duane Szafron , Sherine El-Medani , Manuela Junghanns  
**Proceedings of the fifth ACM international conference on Multimedia** November 1997

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And 

html	In: All Fields
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And 

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**1 Imagine: a tool for generating HTML style sheets with an interactive genetic algorithm based on genes frequencies**
*Monmarche, N.; Nocent, G.; Slimane, M.; Venturini, G.; Santini, P.;*

Systems, Man, and Cybernetics, 1999. IEEE SMC '99 Conference Proceedings. :

IEEE International Conference on , Volume: 3 , 12-15 Oct. 1999

Page(s): 640 -645 vol.3

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- 1** Improving cohesiveness and flexibility in systems management 77%  
 architectures using distributed object technologies over the internet  
 Asham El Rayess , Vidar Vetland , Jerome Rolia , Jay Black  
**Proceedings of the 1996 conference of the Centre for Advanced Studies on Collaborative research** November 1996  
 Management applications are sensitive to changes in application and system configuration. This coupling makes it difficult and expensive to develop management applications and keep them up-to-date with respect to the systems they manage. In this paper we propose the use of platform-independent objects to help decrease this coupling and increase the cohesion in management architectures. With our approach developers of managed applications create platform-independent mediator objects that provide ...
- 2** Web usability: The bull's-eye: a framework for web application user 77%  
 interface design guidelines  
 Betsy Beier , Misha W. Vaughan  
**Proceedings of the conference on Human factors in computing systems** April 2003  
 A multi-leveled framework for user interface design guidelines of Web applications is presented. User interface design guidelines tend to provide information that is either too general, so that it is difficult to apply to a specific case, or too specific, so that a wide range of products is not supported. The framework presented is unique in that it provides a bridge between the two extremes. It has been dubbed the 'Bull's-Eye' due to its five layers, represented as concentric circles. The cente ...
- 3** Charting the course: assessing technology skills to steer the technology 77%  
 training program  
 Lisa Johnson  
**Proceedings of the 30th annual ACM SIGUCCS conference on User services**  
 November 2002  
 The assessment of technology skills is a necessary step in the technology training

process. If technology staff is to meet the needs of faculty, staff, and students, campus customer needs must first be identified. The InfoTech Training team offers computer application training for MU campus customers (faculty, staff, and students). Matching MU's strategic goal of maximizing the use of technology with measurable outcomes is critical. To promote the use of technology resources through the Informati ...

#### 4 Surveys: A brief survey of web data extraction tools 77%



Alberto H. F. Laender , Berthier A. Ribeiro-Neto , Altigran S. da Silva , Juliana S. Teixeira  
**ACM SIGMOD Record** June 2002

Volume 31 Issue 2

In the last few years, several works in the literature have addressed the problem of data extraction from Web pages. The importance of this problem derives from the fact that, once extracted, the data can be handled in a way similar to instances of a traditional database. The approaches proposed in the literature to address the problem of Web data extraction use techniques borrowed from areas such as natural language processing, languages and grammars, machine learning, information retrieval, da ...

#### 5 Architectures to make simple visualisations using simple systems 77%



Alan Dix , Russell Beale , Andy Wood

**Proceedings of the working conference on Advanced visual interfaces** May 2000

In previous work, the first author argued for simple lightweight visualisations. These are surprisingly complex to produce due to the need for infrastructure to read files, etc. onCue, a desktop 'agent', aids the rapid production of such visualisations and their integration with desktop and Internet applications. Two examples are used dancing histograms for 2D tables and pieTrees for hierarchical numeric data. A major focus is the importance of architecture, both that of onCue itself and th ...

#### 6 The information age and the printing press: looking backward to see 77%



ahead

James A. Dewar

**Ubiquity** August 2000

Volume 1 Issue 25

#### 7 Teaching with technology takes teamwork, tools, and talent 77%



Leila C. Lyons , Sue Legg , Terry Morrow , Lee W. Bannister

**Proceedings of the 27th annual ACM SIGUCCS conference on User services: Mile high expectations** November 1999

#### 8 Tools and approaches for developing data-intensive Web applications: a 77%






survey

Piero Fraternali

**ACM Computing Surveys (CSUR)** September 1999

Volume 31 Issue 3

The exponential growth and capillar diffusion of the Web are nurturing a novel generation of applications, characterized by a direct business-to-customer relationship. The development of such applications is a hybrid between traditional IS development and Hypermedia authoring, and challenges the existing tools and approaches for software production. This paper investigates the current situation of Web development tools, both in the commercial and research fields, by identifying and characte ...

- 9** Linux Gazette 77%  
 Bob Hepple  
**Linux Journal** March 1998  
Writing HTML with m4: Ease your creation and maintenance of web pages using this handy pre-process or called m4
- 10** A task driven design method and its associated tool for automatically 77%  
 generating hypertexts  
Sylvain Fraïssé  
**Proceedings of the eighth ACM conference on Hypertext** April 1997
- 11** Evaluating HyTime: an examination and implementation experience 77%  
 John F. Buford  
**Proceedings of the the seventh ACM conference on Hypertext** March 1996

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- 1** Improving cohesiveness and flexibility in systems management 77%  
 architectures using distributed object technologies over the internet  
 Asham El Rayess , Vidar Vetland , Jerome Rolia , Jay Black  
**Proceedings of the 1996 conference of the Centre for Advanced Studies on Collaborative research** November 1996  
 Management applications are sensitive to changes in application and system configuration. This coupling makes it difficult and expensive to develop management applications and keep them up-to-date with respect to the systems they manage. In this paper we propose the use of platform-independent objects to help decrease this coupling and increase the cohesion in management architectures. With our approach developers of managed applications create platform-independent mediator objects that provide ...
- 2** Charting the course: assessing technology skills to steer the technology 77%  
 training program  
 Lisa Johnson  
**Proceedings of the 30th annual ACM SIGUCCS conference on User services**  
 November 2002  
 The assessment of technology skills is a necessary step in the technology training process. If technology staff is to meet the needs of faculty, staff, and students, campus customer needs must first be identified. The InfoTech Training team offers computer application training for MU campus customers (faculty, staff, and students). Matching MU's strategic goal of maximizing the use of technology with measurable outcomes is critical. To promote the use of technology resources through the Informati ...
- 3** Surveys: A brief survey of web data extraction tools 77%  
 Alberto H. F. Laender , Berthier A. Ribeiro-Neto , Altigran S. da Silva , Juliana S. Teixeira  
**ACM SIGMOD Record** June 2002  
 Volume 31 Issue 2  
 In the last few years, several works in the literature have addressed the problem of data extraction from Web pages. The importance of this problem derives from the fact

that, once extracted, the data can be handled in a way similar to instances of a traditional database. The approaches proposed in the literature to address the problem of Web data extraction use techniques borrowed from areas such as natural language processing, languages and grammars, machine learning, information retrieval, da ...

#### 4 Architectures to make simple visualisations using simple systems 77%



Alan Dix , Russell Beale , Andy Wood

**Proceedings of the working conference on Advanced visual interfaces** May 2000

In previous work, the first author argued for simple lightweight visualisations. These are surprisingly complex to produce due to the need for infrastructure to read files, etc. onCue, a desktop 'agent', aids the rapid production of such visualisations and their integration with desktop and Internet applications. Two examples are used dancing histograms for 2D tables and pieTrees for hierarchical numeric data. A major focus is the importance of architecture, both that of onCue itself and th ...

#### 5 The information age and the printing press: looking backward to see 77%



ahead

James A. Dewar

**Ubiquity** August 2000

Volume 1 Issue 25

#### 6 Teaching with technology takes teamwork, tools, and talent 77%



Leila C. Lyons , Sue Legg , Terry Morrow , Lee W. Bannister

**Proceedings of the 27th annual ACM SIGUCCS conference on User services: Mile high expectations** November 1999

#### 7 Tools and approaches for developing data-intensive Web applications: a 77%



survey

Piero Fraternali

**ACM Computing Surveys (CSUR)** September 1999

Volume 31 Issue 3

The exponential growth and capillar diffusion of the Web are nurturing a novel generation of applications, characterized by a direct business-to-customer relationship. The development of such applications is a hybrid between traditional IS development and Hypermedia authoring, and challenges the existing tools and approaches for software production. This paper investigates the current situation of Web development tools, both in the commercial and research fields, by identifying and characte ...

#### 8 A task driven design method and its associated tool for automatically 77%



generating hypertexts

Sylvain Fraïssé

**Proceedings of the eighth ACM conference on Hypertext** April 1997

#### 9 Evaluating HyTime: an examination and implementation experience 77%



John F. Buford

**Proceedings of the the seventh ACM conference on Hypertext** March 1996

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L Number	Hits	Search Text	DB	Time stamp
1	2	"20020019815"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:27
2	0	"20020019815" and (html or ml or markup or mark-up or (mark adj up))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:28
3	2	"20020042831" and (html or ml or markup or mark-up or (mark adj up))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:29
4	2	"20020042831" and (html or ml or markup or mark-up or (mark adj up) or xml or xhtml or sgml)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:49
5	85	(html and xml and xhtml and sgml)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:52
6	25	format\$4 and embed\$4 and image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:51
7	1	((html and xml and xhtml and sgml) ) and (format\$4 and embed\$4 and image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line)) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:50
8	28	image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:59
9	1	((html and xml and xhtml and sgml) ) and ( image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line) ) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:51
10	1	(html and xml and xhtml and sgml) and (line adj break) and (horizontal) and anchor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:52
11	79	(html and xml and xhtml and sgml) and format\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 09:16
12	13	image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line) ) and (html or ml or xml or sgml or xhtml)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 09:05



13	6834	bold\$3 and center\$3 and table and (selection or list)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 09:05
14	3	((html and xml and xhtml and sgml) and format\$4 ) and (bold\$3 and center\$3 and table and (selection or list) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 09:06
15	7	( image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line) ) and (html or ml or xml or sgml or xhtml) ) and (bold\$3 and center\$3 and table and (selection or list) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 09:06
16	51	(html and xml and xhtml and sgml) and format\$4 and tags	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 11:08
17	1184	style adj sheets	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 11:09
19	4	(bold\$3 and center\$3 and table and (selection or list) ) and (style adj sheets) and ( image and anchor and paragraph and (line adj break ) and (horizontal adj ( rule or line) ) and (html or ml or xml or sgml or xhtml) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 11:09
18	63	(bold\$3 and center\$3 and table and (selection or list) ) and (style adj sheets)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 11:28
20	1	6598035.pn. and (library or dll)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 11:29
-	2	(BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 ) AND (INLINE ADJ CLASS) AND (CONTAINER ADJ CLASS )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 13:50
-	1886	(BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 13:52
-	99	(BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 ) AND CONTAINER AND (INLINE OR IN-LINE)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 13:52
-	524	(BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 13:53
-	439	AND (MARKUP OR MARK-UP OR XML OR HTML OR XHTML OR SGML) (BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 )  AND (MARKUP OR MARK-UP OR XML OR HTML OR XHTML OR SGML) AND TOOL	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 13:53

-	31	(BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 ) AND CONTAINER AND (INLINE OR IN-LINE) AND (STOR\$3 NEAR5 PARENT )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 13:54
-	84	(BASE ADJ CLASS) AND (PARENT-CHILD OR HIERARCH\$4 OR CHILD OR INHERIT\$4 ) AND CONTAINER AND (INLINE OR IN-LINE) AND TOOL	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 14:23
-	8	("4658370"   "4866635"   "4916625"   "4985857"   "5043915"   "5136523"   "5379430"   "5768480").PN.	USPAT	2003/11/26 14:10
-	139	717/104.CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 14:23
-	98	717/104.CCLS. AND CLASS	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 14:59
-	84	html and xml and xhtml and sgml	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:11
-	4635	extension same class	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:00
-	85	(inlin\$3 or in-lin\$3 or (in adj lin\$3) ) near3 class	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:01
-	10	(extension same class ) and ((inlin\$3 or in-lin\$3 or (in adj lin\$3) ) near3 class)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:07
-	2	(html and xml and xhtml and sgml ) and ((inlin\$3 or in-lin\$3 or (in adj lin\$3) ) near3 class)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:08
-	5	(html and xml and xhtml and sgml ) and (extension same class )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:08
-	22	child near5 (stor\$3 near3 ((in or within ) near5 parent))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:13
-	1	comment and format\$3 and embed\$3 and imag\$3 and anchor\$3 and (paragraph adj marker) and (line adj break) and (horizontal adj rule)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:14

-	1	imag\$3 and anchor\$3 and (paragraph adj marker) and (line adj break) and (horizontal adj rule)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:15
-	9	imag\$3 and anchor\$3 and (line adj break) and (horizontal adj rule)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:19
-	3308	(html or ml or (mark adj up) or markup) near5 elements	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:19
-	447	(html or ml or (mark adj up) or markup) near5 elements same format\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:20
-	0	(html or ml or (mark adj up) or markup) near5 elements same format\$4 same (line adj break) same (horizontal adj rule)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:20
-	4	(html or ml or (mark adj up) or markup) near5 elements same format\$4 and (horizontal adj rule)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:24
-	546	(html or ml or (mark adj up) or markup) near5 format\$4 near3 tag\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:10
-	210	(html or ml or (mark adj up) or markup) near5 format\$4 near3 tag\$4 and extension	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:26
-	33	(html or ml or (mark adj up) or markup) near5 format\$4 near3 tag\$4 and extension and container	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:48
-	26387	extension near3 extension	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:48
-	0	extension adj (to adj extension )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:48
-	0	extension adj (to near3 extension )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:49
-	2	6438575.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 15:52

-	2	5940834.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:07
-	118	program near3 development same ((class or classes) near5 (set or collection))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:08
-	118	(program near3 development) same ((class or classes) near5 (set or collection))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:15
-	587	(html or ml or (mark adj up) or markup) near5 (format\$4 near3 ( tag\$4 or element or token or identifier))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:11
-	1	((program near3 development) same ((class or classes) near5 (set or collection)) ) and ((html or ml or (mark adj up) or markup) near5 (format\$4 near3 ( tag\$4 or element or token or identifier)) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:11
-	42	(program near3 development) same ((class or classes) near5 (set or collection)) and extension	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:19
-	188	(john and c and adams).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:20
-	6	(john and c and adams).in. and (class or classes) and markup	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/26 16:21
-	1250	(creat\$3 or build\$3) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near5 (document or page or code or software or application)) and (class or classes)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:36
-	102	(creat\$3 or build\$3) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near5 (document or page or code or software or application)) same (class or classes)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:10
-	107	(creat\$3 or build\$3 or produc\$4 ) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near3 (document or page or code or software or application)) same (class or classes) and (format\$4 or tag or element)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:11
-	22	(creat\$3 or build\$3 or produc\$4 ) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near3 (document or page or code or software or application)) same (class or classes) and (format\$4 or tag or element) and (class near5 (derived or subclassed ))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:12
-	28	(creat\$3 or build\$3 or produc\$4 ) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near3 (document or page or code or software or application)) same (class or classes) and (format\$4 or tag or element) and (class near5 (derived or subclassed or child ))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:12

-	52	(software adj development adj tool) and (creat\$3 or build\$3) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near5 (document or page or code or software or application)) and (class or classes)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:37
-	119	(software adj development adj tool) and ((xml or html or sgml or xhtml or ml or markup or mark-up) near5 (document or page or code or software or application)) and (class or classes)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/02 14:37
-	49	((software adj development adj tool) and (creat\$3 or build\$3) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near5 (document or page or code or software or application)) and (class or classes) ) not ((creat\$3 or build\$3 or produc\$4 ) near5 ((xml or html or sgml or xhtml or ml or markup or mark-up) near3 (document or page or code or software or application)) same (class or classes) and (format\$4 or tag or element) and (class near5 (derived or subclassed or child )) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 08:27